

CLAIMS:

1. A method of authentication, particularly in home networks, between a network-internal apparatus (21 to 25) and a wireless network-external apparatus (3), wherein the authentication is based on a comparison of the values of both apparatuses, which values result from their separate measurements of at least one predefined ambient parameter.
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2. A method of authentication, particularly in home networks, between a network-internal apparatus (21 to 25) and a wireless network-external apparatus (3), wherein the required configuration data are sent from the network internal apparatus (21 to 25) to the wireless network-external apparatus (3) in an encrypted manner and wherein the encryption
10 is based on the values of measured, predefined ambient parameters.
3. A method as claimed in claim 1, characterized in that the measured values are exchanged between the network-internal apparatus (21 to 25) and the network-external apparatus (3) in an encrypted manner by means of pre-exchanged "public keys".
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4. A method as claimed in any one of claims 1 to 3, characterized in that the ambient parameters consist of acoustic and/or optical signals generated by the network-internal apparatus (21 to 25).
- 20 5. A method as claimed in any one of claims 1 to 4, characterized in that ambient parameters which change upon each request by the network-internal apparatus (21 to 25) are defined.
6. A method as claimed in any one of claims 1 to 5, characterized in that the
25 defined ambient parameters have time-dynamic values.
7. A method as claimed in any one of claims 1 to 6, characterized in that the network-internal apparatus (21 to 25) is an access point.